



Tile Adhesive

PRODUCT INFORMATION

Product Description

Betonit Tile Adhesive is a polymer-modified mixture of portland cement, and graded fine sand.

It is used for interior or exterior fixing or laying of ceramic tiles, marble and granite using the thin-set method. Use over floors, walls or substrate made of concrete, existing well-bonded tiled surface, granolithic, cement or plywood.

ADVANTAGES:

- ♦ For interior or exterior installation
- ♦ For wall and floor installation
- ♦ Excellent non-sag for vertical application
- ♦ Good flow and smooth consistency for ease in troweling
- ♦ For residential to heavy commercial applications
- ♦ Conforms to ANSI 118.1 when mixed with water
- ♦ Conforms to ANSI 118.4 when mixed with Betonit Plus

Technical Data

Actual Field Performance will depend on installation methods and site conditions

PERFORMANCE PROPERTIES

(Test / Test Method)	Results
Shear Bond, Glazed Wall Tile, 28 day cure ANSI 118.1-1999; C-5	>200 psi
Shear Bond, Glazed Wall Tile, Water Immersion ANSI 118.1-1999; C-5	>150psi
Shear Bond, Porcelain Tile, 28 day cure ANSI 118.1-1999; C-5	>150psi
Shear Bond, Porcelain Tile, Water Immersion ANSI 118.1-1999; C-5	>100psi
Compressive Strength, 28 day cure ANSI 118.4-1999; F-6.1(modified)	2000 psi
Sag on Vertical Surface ANSI 118.1-1999; C-4.6	pass, <2mm

WORKING PROPERTIES

Open Time, (21-25°C, 50%RH) ANSI 118.1-1999; C-4.4	50 minutes
Adjustability Time, (21-25°C, 50%RH) ANSI 118.1-1999; C-4.5	30 mins
Potlife	3 hours
Time to Heavy Traffic	24 hours

PRODUCT INFO

Package Size	25 kg bags
Color	Gray
Water Demand	0.26 li/kg
Coverage	5 - 6 m ² per 25 kgs
Shelf Life	1 year, dry condition

Limitations

- ♦ Do not use for installing moisture sensitive stones
- ♦ Do not install over particle boards, lawanit or similar unstable substrates
- ♦ Tile Adhesives and tile grouts are not designed as replacements for waterproof membranes.

Availability

Betonit Tile Adhesive and other Betonit products are widely distributed. For dealer information, call us at Betonit Products (Phils) Inc., (63-2) 932-8806 or (63-2) 931-3822

Installation

SURFACE PREPARATION

- ♦ Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone and similar finishes. Substrate deflection under all live, dead, and impact loads, must not exceed industry standards of L/360 for thin bed tile installation.
- ♦ All surfaces must be plumb and true to within 1/4-inch in 10-feet (6mm in 3m)
- ♦ The concrete backing or substrate must be fully cured, structurally sound, clean and free from dirt, oils or waxy films, loose materials, concrete sealers, curing compounds and other chemicals.
- ♦ Rough or uneven surfaces must be made smooth and may require the use of either leveling, patching, or underlayment material.
- ♦ For application over existing ceramic or marble tiles, acid etch or abrade to ensure proper bonding.
- ♦ Follow applicable ANSI installation standards

MIXING

1. Mix Betonit Tile Adhesive in any non-absorbent mixing container such as plastic, steel or iron sheet.
2. Mix with enough water to the desired paste (approximately 6-7 liters of water for one (1) bag of 25 Kg Betonit or 1 liter of water to 3 liters of Betonit). Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Mortar consistency is such that when applied with a notched trowel to the surface, the ridges formed in the mortar shall not flow or slump.
3. Let the mortar stand for 15 minutes then mix again so that the chemicals will react completely with the cement and water.

APPLICATION

1. Dampen the concrete backing or substrate, especially when installing in temperatures over 35C.
2. Lay the Betonit mortar with thickness of 3 mm or more depending upon the surface finish and type of tile used. To speed up the work, the tile adhesive may be laid over a wide area that can be worked on within 15 minutes.
3. Periodically check back of tile to ensure proper coverage. (Interior-80% minimum; Exterior or wet-95% minimum).
4. Use the paste within 3 hours or while the paste is sticky. For as long as the paste sticks to the fingers, it is still active and usable. Otherwise, it has expired and must be discarded.
5. Wipe off excess mortar with a wet cloth until the tiles are clean.
6. Keep all foot traffic off the installation until the tile is firmly set (approximately 24 hours)
7. Apply grout at least one (1) day after the tiles have been installed. For best results, use Betonit Tile Grout.

CLEANING

Remove excess mortar on tools and tile surface while mortar is still fresh, using clean water.

SAFETY

Non-toxic. Contains cementitious material, avoid contact with eyes or prolonged contact with skin.